

GRINDING & POLISHING MACHINE
QPOL 250 A1-ECO



The Qpol 250 A1-ECO is a single-wheel grinding and polishing machine for the metallographic laboratory, suitable for working wheels Ø 200/250 mm. The machine is conveniently operated by a 4.3" touch screen.

The new holder for the working wheel (**single-disc design**) enables metallographic sample preparation without carrier disc and without compromising performance. The control software allows to edit and save up to **200 preparation methods**, protected by a **user account management**.

Pressure, speed and direction of rotation (head and working disc) are adjustable. A spin cycle function (**Cleaning Boost**) helps to spin dry the grinding and polishing medium at 750 rpm at the end of the preparation process within 3 seconds.

The robust grinding and polishing machine can be combined with the dosing system Qdoser ECO or Qdoser ONE and offers maximum **flexibility** for sample preparation and **operating convenience**.

PRODUCT ADVANTAGES

- | Single wheel grinder / polisher for metallographic sample preparation
- | Spin cycle feature (Cleaning Boost)
- | 4.3" Touch-Screen with intuitive QATM user software
- | 200 customized programs storable
- | Easy cleaning/rinsing of bowl by lifting the working wheel (single-disc design)
- | Variable speed of working wheel and polishing head
- | Working wheel and polishing head: clockwise / counter-clockwise rotation
- | Impact-proof plastic bowl
- | Aluminium case, powder coated
- | Economic LED illumination



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TECHNICAL DATA

Working wheels	Ø 200/250 mm
No. of samples (single pressure)	1-5 samples Ø 40 mm
Single pressing force	variable, 5-80 N
Central pressing force	variable, 20-285 N (expert mode: 20-350 N)
Connection power	2.3 kVA
Drive power (grinder)	0.55 kW (S1)
Drive power (head)	0.18 kW (S1)
Speed (grinder)	30 - 600 min ⁻¹
Speed (head)	30 - 160 min ⁻¹
W x H x D	511 x 530-610 x 710 mm
Weight	~ 64 - 72 kg
Water connection	1x fresh water connection R½" max. 6 bars
Dosing system (option)	Qdoser ECO

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DOSING UNIT QDOSER ECO (TOPAS ECO)

The fully automatic dosing system QDOSER ECO (TOPAS ECO) speeds up grinding and polishing processes in the metallographic lab and is suitable for use with the Qpol 250 A series. Four 500 ml glass bottles with screw caps hold 3 x suspension and 1 x lubricant or 4 x Dia-Complete and can be filled via a separate lid. They are easily removed for cleaning.

The dosing nozzles are inserted into a holder attached to the head. The dosing interval is controlled via the touch screen and the software of the Qpol 250 A devices. The backflushing function keeps the hoses clean.



- | Automatic system for
3x diamond suspension and 1x lubricant or
4x Dia-Complete
- | Adjustable interval
- | Reverse rinsing function
- | Controlled by the control software of the Qpol 250 A grinders/
polishers
- | Suitable for all Qpol 250 A grinding and polishing machines
- | Suspension containers refillable and removable
- | incl. nozzles (inserted into a holder attached to the head)

www.qatm.com/qpol-250-A1-eco